

ABSTRACT OF THE DISCLOSURE

Disclosed is a biocompatible block copolymer containing the polycondensation product of a diol and an additional component selected from the group of the same diol, an α,ω -dihydroxy-polyester or an α,ω -dihydroxy-polyether. Also disclosed are a medical implant containing the block copolymer, the use of said block copolymer for the production of a medical implant, a diol and a method for the production thereof. The diol may be obtained by transesterification of α,ω -dihydroxy-[oligo(3-(R)-hydroxybutyrate)-ethylene-oligo-(3-(R)-hydroxybutyrate)] with diglycolide. Transesterification is carried out, preferably, in the presence of a catalyst.